



CE-ATA Technical Errata

Errata ID	Protocol 014
Affected Spec Ver.	Protocol 1.1
Corrected Spec Ver.	

Submission info

Name	Company	Date
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Description of the specification technical flaw (add space as needed)

When the ATA layer requests the command completion signal be transmitted, it remains pending to be sent in the MMC command layer until it is transmitted or the ATA command is aborted. This erratum reflects that a STOP_TRANSMISSION (CMD12) command should be sent to clear the pending command completion signal state.

Description of the correction

State DC7: DC_IntWait in section 2.4.2.1 shall be modified as shown:

DC7: DC_IntWait	Wait for ATA layer request to send command completion signal or the host to send command completion signal disable.		
1. Start bit detected from host on CMD line	→	DC_Idle ²	
2. ATA layer has requested transmission of command completion signal ¹ and no start bit detected from host on CMD line	→	DC_Interrupt ²	
3. ATA layer has not requested transmission of command completion signal and no start bit detected from host on CMD line	→	DC_IntWait	
NOTE:			
1. The ATA layer may have requested transmission of the command completion signal prior to entry into this state. The MMC layer shall latch this request until it is cleared. a new RW_MULTIPLE_REGISTER (CMD60) command is received.			
2. Pending request for command completion signal to be sent is cleared as part of the transition to the new state.			

State DC9: DC_Cmd6X_Entry in section 2.4.2.1.1 shall be modified as shown:

DC9: DC_Cmd6X_Entry	Device pulls up the CMD line. If WR=1 (W), notify MMC Data layer that MMC Busy may be asserted. If MMC command received was RW_MULTIPLE_REGISTER (CMD60) clear any pending request for a command completion signal to be sent.		
1. R1 response is ready for transmission	→	DC_Cmd6X_R1	
2. R1 response is not ready for transmission	→	DC_Cmd6X_Entry	

State DC16: DC_Cmd12_Entry in section 2.4.2.1.3 shall be modified as shown:

DC16: DC_Cmd12_Entry	Device pulls up the CMD line. Notify ATA layer of ATA command abort. Notify MMC Data layer to stop any data transmission. Clear any pending request for a command completion signal to be sent.		
1. R1 response is ready for transmission.	→	DC_Cmd12_R1	
2. R1 response is not ready for transmission.	→	DC_Cmd12_Entry	

Disposition log

08/30/2005	Erratum captured
08/31/2005	Modified to reflect a CMD12 is required to clear the CCS request
09/14/2005	Added note 2 in DC7 that clears the pending interrupt state on transitions 1 and 2.
11/14/2005	Erratum ratified

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